



P_{lac}

5'

CGCCCAATACGCAAACCGCCTCTCCCCGCGCGTTGGCCGATTCATTAATGCAGCTGGCAGCACAGGTTTCC
CGACTGGAAAGCGGGCAGTGAGCGCAACGCAATTAATGTGAGTTAGCTCACTCATTAGGCACCCCAGGCTT
TACACTTTATGCTTCCGGCTCGTATGTTGTGTGGAATTGTGAGCGGATAACAAT 3'

(SEQ ID NO 1)

P_{phoP}

5'

GTGACTCTGGTCGACGAACTTAAATAATGCCTGCCTCACCTCTTTTCTTCAGAAAGAGGGTGACTATTTG
TCTGGTTTATTAACGTGTTTATCCCCAAAGCACCATAATCAACGCTAGACTGTTCTTATTGTTAACACA 3'

(SEQ ID NO 2)

P_{pgc}

5'

GTTAACCACCTCTTAATAATAATGGGTTTTATAGCGAAATAGACTTTTTTATCGCGTGTTCAATATTTGCGT
TAGTTATTATTTTTTTGGAATGTAAATCTCTCTAAACACAGGTGATATTTATGTTGGAATTGTGGTGTG
ATTCTATTCTTATAATATAACAAGAAATGTTGTAACGTAGATATATTAAGATTAAATCGGAGCGGGA
ATAAAGCGTGCTAAGCATCATCGTGAATATGATTACAGCGCCTGCGATGGCATATAACCGTATTGCGGATG
GAGCGTCACGTGAGGACTGTGAAGCACAAATGCGATATGTTCTGATTATATGGCGAGTTTGCTTAATGACAT
GTTTTTAGCCGAACGGTGTCAAGTTCTTAATGTGGTTGTGAGATTTTCTCTTTAAATATCAAATGTTGC
ATGGGTGATTTGTTGTTCTATAGTGGCTAAACACTTTATGGTTTCTGTTAAATATATATGCGTGAGAAAA
TTAGCATTCAAATCTATAAAGTTAGATGACATTGTAGAACCGTTACCTAAATGAGCGATAGAGTGCTTC
GGTAGTAAAAATATCTTTCAGGAAGTAAACACATCAGGAGCGATAGCGGTGAATTATTCGTGGTTTTGTG
ATTCGGCATAGTGGCGATAACTGAATGCCGGATCGGTACTGCAGGTGTTTAAACACACCGTAAATAATAAG
TAGTA 3'

(SEQ ID NO 3)

P_{ompC}

5'

TAAACAGACATTCAGAAGTGAATGACGGTAATAAATAAAGTTAATGATGATAGCGGTCACTATTTTAGTTG
CGAATGAAGATTCTGTTTTATCATTCACTGCTATGAATTTTCATCAATTTAACCGTTGATTTTAAAGTTT
CGTGAAATATATTTTGTCTATTTGTGCTTATTTTTACTTGATTTTTGCTTTAAAAAAGTTCCGTAAAATTC
ATATTTTGAAACATCTATATAGATAACTGTAACATCTTAAAGTTTTAGTATCATATTCGTGTTGGATTAT
TCTGTATTTTTGCGGAGAAATGGACTTGCCGACTGGTTAATGAGGGTTAACCAGTAAGCAGTGGCATAAAAA
AGCAATAAAGGCATAT 3'

(SEQ ID NO 4)

Added

The locations of oligonucleotide primers used in the PCR are shown underlined. Promoter regions are shown in bold and repeated sequences upstream of these promoters are shown double underlined